

**Docket No. 217 – Development and Management Plan Inspection**

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

**Date:** March 29, 2006

**Inspector:** Diana Walden

**Location:** 345kV Underground Route

**Storm/**

**Rain Event:** Only a trace of precipitation was recorded since the previous inspection as reported by NOAA.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Vault Openings and Trench Construction	- An open vault excavation remains near Wilton Corporate Park on Rt. 7. 3/9-3/29/06	- Some further attention is needed here. See erosion control section. 3/29/06	-The stockpile was moved back from the road but more attention is needed
	- Several areas of bare soil were present along Rt. 7 but other construction projects are also ongoing. 2/2-3/29/06	- Continue providing good "house- keeping" along the roadways. Restoration will be required when work is completed. 2/2-3/29/06	-Some areas of hydroseed were noted but restoration should continue.
	- Excavation was noted at the site at School Rd to connect up with HDD bore. High groundwater was noted in the trenches 3/29/06	- Further restoration will be necessary after the adjacent work is complete. See additional sections for more details. 3/29/06	-N/A until work is complete
	- Some materials remain near the Georgetown Deli on Rt. 107 but the area has been restored. 3/29/06	- Some attention is needed here. See erosion controls section for more details. 3/29/06	-N/A
	- Crews continue work along Umpawaug Rd. 3/9-3/29/06	- See other sections for more details. 3/29/06	
	- Work at the intersection of the Archers Lane transition station access drive is complete and crews are	- The work remains contained to the access drive but materials and sediment were left along the stonewall. The area	

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	continuing along Diamond Hill Rd. 3/29/06	should be cleaned up. 3/29/06	
Erosion and Sediment (E&S) Controls  <b>Route 7</b>	<ul style="list-style-type: none"> <li>- The silt fence at the old high school J&amp;B site remains in fairly good shape but is starting to come down at the culvert. 3/9-3/29/06</li> <li>- Stone and haybales remaining on the outlet slope will still need to be removed for final stabilization. 1/19-3/29/06</li> <li>- At the HDD, controls remain well in place as excavation has returned to the area. 3/29/06</li> <li>- The trenches are filled with groundwater at this time. 3/29/06</li> <li>- Vegetation was affected and soil within the wetland was disturbed from the breakout repair. This is in the area beyond the basin and controls. 2/9-3/29/06</li> <li>-The combination of offsite dewatering and muds from the site led to sediment accumulation in the wetland beyond the check dams and to the east of the basin. 2/16-3/29/06</li> <li>- The exit point of the bore remains set up with erosion controls along the perimeter of the area. 2/22-3/29/06</li> <li>- While the area is well controlled now, an earlier breakout resulted in</li> </ul>	<ul style="list-style-type: none"> <li>- Controls should be maintained as long until the area is fully stabilized. The whole work site will need restoration 3/29/06</li> <li>-The remaining instream controls will also need to be removed once the slope has been restored. 1/26-3/29/06</li> <li>- Final restoration will occur when the work in the area is complete. 3/29/06</li> <li>- If dewatering is necessary, evaluate measures needed to control the area 3/29/06</li> <li>- A restoration plan should be proposed and implemented and may include some plantings. In the meantime, disturbed soil is temporarily controlled by silt fence. 3/9-3/29/06</li> <li>-The accumulated sediment should be removed as soon as feasible and prior to the growing season. 3/9-3/29/06</li> <li>- Continue to monitor erosion controls until the connecting work can occur. 3/29/06</li> <li>- Contractors are waiting until the water recedes in</li> </ul>	<ul style="list-style-type: none"> <li>- This will likely not occur until trenching is complete in this area</li> <li>- N/A at this time</li> <li>- Plan to attend to this in the growing season</li> <li>- Needs to be done when conditions are stable</li> <li>- N/A at this time</li> </ul>

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	sedimentation to an area of ponded water down gradient of the return site near the railroad tracks.	order to go in and remove the sediment. 2/16-3/29/06	
Erosion and Sediment (E&S) Controls  <b>Route 7 continued</b>	<ul style="list-style-type: none"> <li>- The storage area near #848 (Rt.7) is still highly utilized. 1/4-3/29/06</li> <li>- Machinery was also noted closer to the wetlands than necessary. 3/9-3/29/06</li> <li>- Landowner activities here are also directly affecting wetlands, including placing sediment closer to the wetland swales. 3/15-3/29/06</li> <li>-Protection measures should be installed at the storm inlet in Racquet club since work is in proximity. 2/2-3/29/06</li> <li>- Ruts from equipment access had been noted in the island at the Rt. 107 &amp; 7 intersection leading to sedimentation near an inlet. 2/2-3/29/06</li> <li>- An open vault excavation remains at Wilton Corp Park. A stockpile has been moved back from the roadway but it is still on site 3/29/06</li> </ul>	<ul style="list-style-type: none"> <li>- Continue to monitor activity in here. Watch placement of project materials and equipment in the vicinity of the surrounding swale. 12/8-3/29/06</li> <li>-This is outside of project jurisdiction. 3/29/06</li> <li>- Water from the street seems to be more of an issue than water from the site but controls would still be appropriate. 3/2-3/29/06</li> <li>- Protect catch basins here and restore the island. 3/29/06</li> <li>- Install controls around this disturbed area if necessary and watch the adjacent catch basin. 3/29/06</li> </ul>	- N/A
<b>Rt. 107 Daywork</b>	<ul style="list-style-type: none"> <li>- At the Georgetown Deli, adjacent areas are well restored. 3/29/06</li> <li>- A small stockpile still remains here in the parking lot beyond the silt fence. 3/9-3/29/06</li> </ul>	<ul style="list-style-type: none"> <li>-None at this time. 3/29/06</li> <li>- Controls should be extended or this pile should be removed. 3/9-3/29/06</li> </ul>	- The soil pile was moved back from the roadway. Continue to control this area.
<b>Umpawaug Rd.</b>	<ul style="list-style-type: none"> <li>- A stockpile and small storage yard remain in</li> </ul>	<ul style="list-style-type: none"> <li>- Remember to restore these areas when feasible</li> </ul>	- The area and controls were restored.  -The pile is proposed to be removed soon but remained at this time.

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<b>Archers Lane, Diamond Hill Rd.</b>	<p>place. 2/2-3/29/06</p> <ul style="list-style-type: none"> <li>- Active trenching was not noted on Umpawaug during this inspection but previous work areas have been restored. 3/29/06</li> <li>- It is still unclear whether the slope near #79 Umpawaug was built as part of the project. It has a number of erosive washouts with sedimentation to the wetland below including the more severe one noted several months ago. 3/29/06</li> <li>-Sediment and materials were left along the stone wall at the Archers Lane access drive. 3/29/06</li> </ul>	<p>2/2-3/29/06</p> <ul style="list-style-type: none"> <li>- Straw mulch was placed at one of the work sites. Continue to restore other previously disturbed areas 3/29/06</li> <li>- If the slope is the jurisdiction of the project. The erosion should be repaired, the slope stabilized and sediment picked up as needed. 3/29/06</li> <li>- As part of work completing here, the materials should be removed and the stone wall cleaned up. 3/29/06</li> </ul>	<ul style="list-style-type: none"> <li>- Some roadside areas were restored. Continue to do so.</li> </ul>
<b>Adjacent Wetlands and Waterways</b>	<ul style="list-style-type: none"> <li>-At the jack and bore near Allens Meadow Park, the outlet slope will need final restoration. 1/19-3/29/06</li> <li>-The breakout described at the HDD resulted in direct access and impact to the wetland beyond the basin in order to contain the muds. 2/9-3/29/06</li> <li>- Wetlands directly to the east of the basin also have sediment accumulation that will require removal. 1/19-3/29/06</li> <li>-Combination of non-project related offsite dewatering and issues with controlling the muds has led to sedimentation to the wetlands past the controls and check dam. 2/22-3/29/06</li> <li>- Check project status of the</li> </ul>	<ul style="list-style-type: none"> <li>-Plan to remove stone and haybales and instream controls for final restoration. 1/19-3/29/06</li> <li>- A restoration plan should be implemented for the wetlands beyond the basin, potentially including plantings in the spring. 2/16-3/29/06</li> <li>- Sediment buildup should be removed where it is thicker than an inch. This should be done before the growing season. 3/9-3/29/06</li> <li>- When conditions are stable, sediment will need to be carefully removed by hand. This should occur before the growing season. 2/22-3/29/06</li> <li>- Sediment may need to</li> </ul>	

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	slope near #79 Umpawaug. 3/29/06	be removed from the stream here. 3/29/06	
Staging, Storage, and Parking Areas	<ul style="list-style-type: none"> <li>- The equipment storage yard on the property south of the Rt. 7 &amp; 107 intersection was mostly contained. 1/26-3/29/06</li> <li>- Stone piles and machinery are being placed increasingly closer to the surrounding wetland swales. 1/26-3/29/06</li> <li>- This is mostly due to landowner activities. 3/15-3/29/06</li> <li>- The racquet club storage yard has piles of stone and soil. Protective measures still need to be placed in the inlet/swale here. 2/2-3/29/06</li> </ul>	<ul style="list-style-type: none"> <li>- In general, materials should be placed appropriately in storage areas or immediately adjacent to work each night. No potentially spillable materials should be left behind.</li> <li>- Equipment should not be placed near resource areas. 3/9-3/29/06</li> <li>- Keep within the limits of the yard and don't encroach into the brush. 10/27-3/29/06 Install haybales at the culvert within the swale. 2/2-3/29/06</li> </ul>	-N/A
Soils	- Most soils on roadways on the project route are being trucked to a waste facility in Danbury for storage and eventual disposal. Soils off roadway can be returned to the trench.	<ul style="list-style-type: none"> <li>- Soils appear to be handled appropriately. 3/29/06</li> <li>- Continue to make sure stockpiles are backfilled to the trench by the end of each day. 2/2-3/29/06</li> </ul>	N/A at this time
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A	-N/A
Vegetative clearing limits (including trees to save or danger trees noted)	<ul style="list-style-type: none"> <li>- Now that weather is getting warmer, restoration/stabilization attempts at a number of bare roadside areas should occur. 3/23-3/29/06</li> <li>-Hydroseed was noted in some areas but it was unclear if it was due to this project or the other utility projects. 3/29/06</li> <li>- Some erosion was noted in previously restored areas</li> </ul>	<ul style="list-style-type: none"> <li>- Attend to disturbed areas as feasible in the appropriate time frames. 11/10-3/29/06</li> <li>-Other utility projects are ongoing as well making it difficult to coordinate efforts. 3/29/06.</li> <li>-Repair erosion in these areas in the spring when</li> </ul>	Additional hydroseed was noted, Continue to restore

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	such as near Scribner Hill Rd. 1/4-3/29/06	the area can stabilize. 1/4-3/29/06	
Dewatering	<ul style="list-style-type: none"> <li>- No major dewatering efforts were noted. 3/29/06</li> <li>-Significant ground water was noted within the School Rd site excavations. 3/29/06</li> </ul>	<ul style="list-style-type: none"> <li>- See other sections for details. 3/29/06</li> <li>-If dewatering will be needed, evaluate the controls that will be needed to prevent further sedimentation. 3/29/06</li> </ul>	
Blasting	<ul style="list-style-type: none"> <li>- No blasting is occurring on site at this time.</li> </ul>	<ul style="list-style-type: none"> <li>- None at this time.</li> </ul>	
Spills and Material Storage	<ul style="list-style-type: none"> <li>- In general, make sure that glues, asphalt components and other materials are stored well overnight and not left out along the roadway. 3/29/06</li> </ul>	<ul style="list-style-type: none"> <li>- The contractors should remain vigilant about securing and handling fuel containers.</li> <li>- Continue to keep all vehicles maintained well (i.e. no apparent fluid</li> </ul>	-N/A
	<ul style="list-style-type: none"> <li>- Clean up materials left along the stone wall at Archers Lane access drive. 3/29/06</li> </ul>	<ul style="list-style-type: none"> <li>leaks) if they will be used or stored on site. - Check equipment status on a regular basis and keep spill kits on hand.</li> <li>- Report spills immediately, even if they are being controlled.</li> </ul>	
Additional Observations			

**Next likely scheduled inspection:**

Thursday April 6, 2006

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

**Inspector's Signature:** Diana Walden for Don Ukers



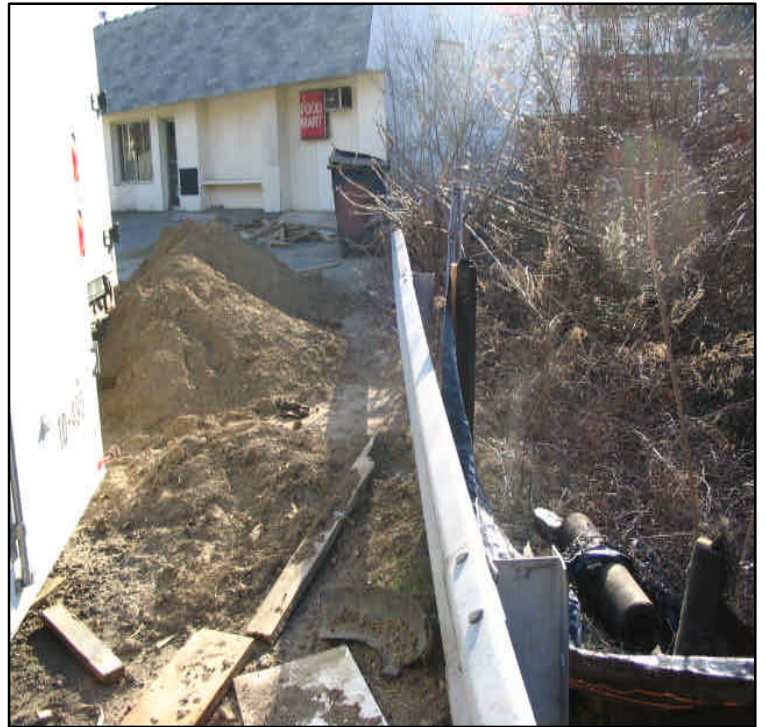


**345kV (Archers Lane and Umpawaug Rd): Photo shows the completed trench work at the access drive to the transition station but a number of materials were left behind on the stone wall. Photo on the right shows where a previously disturbed area was placed with straw mulch. 3/29/06**



**Photo on the left shows erosive washouts along the slope to the wetland near #79 Umpawaug Rd. Photo on the right shows the most severe washout leading from the road to the stream below at this location. We need to determine whether this slope was built as part of the project. 3/29/06**





345kV (Rt 107) Photo shows an overview of the area north of Georgetown Deli where the area was well restored and controls are in place. Photo on the right shows the small stockpile remaining where silt fence needs to be extended. 3/29/06



345kV (Route 7) Photo on the left shows the racquet club storage yard. Photo on the right shows an area that has been hydroseeded along the roadway either as a result of the project or unrelated utility work. 3/29/06





**345kV(HDD):** The photo on the left shows a view of the HDD site where trenching resumed in order to make the connection to the bore. Photo on the right shows where some of the sediment to be removed, accumulated in the rocky channels beyond the check dams. 3/29/06



**(HDD and Route 7)** Photo on the left shows the wetlands to the east of the basin beyond the erosion controls where accumulated sediment will also require removal. Photo on the right shows work at Wilton Corp. Park where the stockpile was moved back from the road but the area remains disturbed. 3/29/06